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MONTANA OIL AND GAS STATISTICAL BULLETIN

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THE OIL AND GAS CONSERVATION COMMISSION

VOL. V. No. 12 McKEE PRINT. December, 1957

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1957, averaged 75,734 barrels daily an increase of 705 barrels from the average November production of 75,029.

The ten refineries in the State processed 62,156 barrels of crude oil daily for the month of December, 1957, a decrease of 5,076 barrels daily from the 67,232 barrels processed daily during the month of November, 1957.

During December, 41 wells were completed, 13 oil, 0 gas wells and 28 dry holes.

During December, the Commission issued 32 permits to drill new wells a decrease of 1 from the 33 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF DECEMBER, 1957

IN STORAGE DECEMBER 1st:	
By Producers	354,232
By Transporters	701,036
By Refiners	723,194
TOTAL STORAGE	1,778,512
Produced in Montana During Month	2,347,770
Imported During Month	1,218,503
TOTALS	5,344,785
DISPOSITION:	
Refined in Montana	1,926,847
Exported	1,555,999
Used for Fuel or Lost	21,022
TOTAL	3,503,868
IN STORAGE DECEMBER 31st:	
By Producers	319,586
By Transporters	745,067
By Refiners	776,264
TOTAL STORAGE	1,840,917

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1957

Field	M Cu. Ft.
Bears Den	0
Big Coulee	68,359
Bowdoin	240,893
Bowes	133,218
Box Elder	0
Cabin Creek	67,219
Cedar Creek	723,150
Cut Bank (Including Reagan)	1,538,796
Devon	0
Dry Creek	187,851
Elk Basin	50,293
Flat Coulee	37,007
Golden Dome	4,482
Hardin	7,531
Keith Block	319,758
Kevin Sunburst	131,971
Pine	84,687
Plevna	18,569
Utopia	81,292
Whitlash	152,385
Miscellaneous	50,077
TOTAL	3,897,538

Total Withdrawal for December, 1956 were 3,665,380 M Cu. Ft.

PRODUCER'S REPORT

MONTH OF DECEMBER, 1957

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	992	3,251	.....	3,522	.....	721
1	Bannatyne	2	.....	458	.....	458	.....	.....
10	Big Wall	26	4,748	22,394	.....	23,396	.....	3,746
6	Blackfoot	9	1,896	8,035	.....	8,632	.....	1,299
4	Border	8	.....	573	.....	573	.....	.....
19	Bowes	88	9,414	27,318	27,350	.....	.....	9,382
2	Bredette	2	2,340	1,457	1,950	.....	.....	1,847
4	North Bredette	4	2,852	12,042	9,107	3,142	.....	2,645
1	Brorson	2	1,658	1,539	2,009	.....	.....	1,188
	Bynum	....	114	.....	.....	.....	.....	114
3	Cabin Creek	62	17,511	321,626	315,424	.....	4,553	19,160
28	Cat Creek	77	6,198	14,128	14,723	.....	.....	5,603
1	Clark's Fork	1	255	254	.....	.....	.....	509
2	Clark's Fork, North	2	1,240	12,592	.....	10,817	.....	3,015
2	Cupton	2	1,215	1,757	1,809	.....	.....	1,163
347	Cut Bank	1,159	115,812	210,031	212,271	.....	177	113,395
3	Deer Creek	5	1,394	8,691	8,734	.....	.....	1,351
2	Delphia	2	1,046	3,296	.....	3,313	.....	1,029
	Devil's Basin	....	529	.....	.....	.....	.....	529
5	Dry Creek	5	1,256	8,223	8,434	.....	.....	1,045
20	Elk Basin	58	8,430	258,575	260,734	.....	.....	6,271
3	Fertile Prairie	3	1,474	1,877	1,961	.....	.....	1,390
2	Frannie	2	493	4,073	4,121	.....	.....	445
1	Gage	1	605	156	.....	292	.....	469
3	Gas City	12	6,142	25,768	28,282	.....	.....	3,628
6	Glendive	12	7,825	59,772	63,243	.....	.....	4,354
5	Ivanhoe	13	4,644	36,007	.....	35,659	.....	4,992
216	Kevin-Sunburst	1,458	16,342	84,404	84,846	.....	.....	15,900
1	Lake Basin	1	377	119	.....	.....	.....	496
1	Line Coulee	1	496	2,096	2,003	.....	.....	589
1	Little Beaver	7	2,469	17,344	16,251	.....	436	3,126
2	East Little Beaver	2	1,343	946	641	.....	.....	1,648
5	Melstone	7	4,414	7,319	.....	7,930	.....	3,803
3	Mosser	8	469	950	.....	1,419	.....	.....
5	Outlook Area	7	12,287	16,105	.....	16,777	.....	11,615
11	Pennel	23	7,549	57,189	59,245	.....	.....	5,493
5	Pine	117	19,994	449,800	451,379	.....	1,349	17,066
73	Pondera	330	8,459	47,644	47,695	.....	.....	8,408
11	East Poplar	98	29,268	378,386	370,598	15,668	152	21,236
3	Northwest Poplar	4	841	2,129	2,129	.....	.....	841
3	Ragged Point	8	1,181	10,969	.....	10,263	.....	1,887
1	Rattlesnake Butte	1	83	238	.....	235	.....	86
4	Reagan	44	3,484	18,085	18,996	.....	.....	2,573
1	Repeat	1	61	7,678	7,474	.....	.....	265
4	Richey	8	3,326	11,189	10,986	.....	.....	3,529
	Rudyard	....	.....	.....	.....	.....	.....	.....
2	Snyder	4	1,816	2,913	.....	2,839	.....	1,890
5	Soap Creek	18	7,607	9,285	.....	12,818	.....	4,074
1	Southwest Richey	1	883	878	767	.....	.....	994
20	Sumatra	58	14,790	115,712	116,355	4,165	.....	9,982
4	Sweetgrass Hills	4	840	674	.....	870	.....	644
10	Whitlash	28	6,211	10,129	8,764	1,951	.....	5,625
9	Wolf Springs	21	7,110	48,127	49,041	.....	.....	6,196
	Woman's Pocket	....	.....	.....	.....	.....	.....	.....
2	Woodrow	2	1,235	3,201	3,275	.....	.....	1,161
1	Yellowstone	1	1,264	368	.....	463	.....	1,169
885		3,823	354,282	2,347,770	2,210,597	165,202	6,667	319,586

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year 1956	21,759,561	59,615	21,585,574	59,139
First Quarter, 1957	6,374,172	71,620	6,318,255	70,992
Second Quarter, 1957	6,725,093	73,902	6,689,645	73,512
Third Quarter, 1957	7,073,949	76,890	7,052,113	76,653
Fourth Quarter, 1957	6,948,748	75,529	6,977,795	75,845

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1956	324,681	618,681	768,496	1,711,858
March 31, 1957	342,456	636,795	637,001	1,616,252
June 30, 1957	355,630	655,095	518,984	1,529,709
September 30, 1957	366,613	742,243	572,043	1,680,899
December 31, 1957	319,586	745,067	776,264	1,840,917

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF DECEMBER, 1957

	Storage First Of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,522				3,522		
BANNATYNE—Truck			458			458			
BIG WALL—Truck			23,396			13,282	10,114		
BLACKFOOT—Union Oil Co.			8,632			8,632			
BORDER—Truck			573			573			
BOWES—									
Trigood Oil Co.	3,518	4,684			78		2,851		5,273
The Texas Co.		22,667				22,667			
	3,518	27,351			78	22,667	2,851		5,273
BRORSON—Sun Oil Co.		2,009					2,009		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	315,415	814,422		554,360	14		1,380,697		303,486
Shell Pipe Line Corp.	5,854	107,916			69			110,962	2,739
	321,269	922,338		554,360	83		1,380,697	110,962	306,225
CAT CREEK—									
Continental Pipe Line Co.	9,069	11,620			331	13,032			7,326
Wm. Hanlon		3,103				3,103			
	9,069	14,723			331	16,135			7,326
CLARK'S FORK—Truck			10,817			1,895	8,922		
CUT BANK—									
Big West Oil Co.		3,933		16,341		20,274			
Darling Gathering System Inc.	4,525	14,923			743	16,054			2,651
Phillips Petroleum Co.	52,133	39,873			384			49,560	42,062
Texas Pipe Line Co.	71,723	48,158		41,437	431	45,672		24,652	90,563
Toronto Pipe Line Co.	20,063	59,651			3			54,095	25,616
Union Oil Co.	110,556	48,754		37,246	1,070	39,989			155,497
	259,000	215,292		95,024	2,631	121,989		128,307	316,389
DELPHIA—Truck			3,313			3,313			
DRY CREEK—Ohio Oil Co.	7,388	8,305			426	6,572			8,695
ELK BASIN—Ohio Oil Co.		260,734				199,539	61,195		
FRANNIE—Ohio Oil Co.		4,121					4,121		
GAGE—Truck			292			292			
GLENDIVE, DEER CREEK & WOODROW—									
The Texas Pipe Line Co.	6,841	75,265			403		20,284	51,266	10,153
IVANHOE—Truck			35,659			12,705	22,954		
KEVIN-SUNBURST—									
Big West Oil Co.	3,068	36,550				35,144			4,474
Homestake Oil & Gas Co.	252	4,002			(630)	4,884			
The Texas Pipe Line Co.	4,082	41,945		1,687	239	43,393			4,082
Anna Aronow	157	1,669						1,687	139
	7,559	84,166		1,687	(391)	83,421		1,687	8,695
MELSTONE—Truck			7,930			7,930			
MOSSER—Truck			1,419				1,419		
PONDERA—Phillips Petr. Co.	54,343	47,696		32,663	1,545	80,961			52,196
POPLAR, BREDETTE, OUTLOOK & LINE COULEE—									
East Poplar Gathering System	20,322	386,299			(406)			392,131†	14,896
Truck			35,587		4,966		30,621		
	20,322	386,299	35,587		4,560		30,621	392,131	14,896
RAGGED POINT—Truck			10,263			10,263			
RATTLESNAKE BUTTE—Truck			235				235		
REAGAN—Union Oil Co.		18,996				18,996			
SNYDER—Truck			2,839			2,839			
SOAP CREEK—Truck			12,818			9,928	2,890		
SUMATRA—									
Powder River Pipe Line	4,794	116,355			581	112,844			7,724
Trucks			4,165				4,165		
	4,794	116,355	4,165		581	112,844	4,165		7,724
SWEETGRASS HILLS—Truck			870			870			
WHITLASH—									
Homestake Oil & Gas Co.	3,137			9,457	956	8,445			3,193
Western Natural Gas Co.	207	8,764						8,838	133
Truck			1,951			1,951			
	3,344	8,764	1,951	9,457	956	10,396		8,838	3,326
WOLF SPRINGS—									
Powder River Pipe Line Co.	3,589	49,731				49,151			4,169
YELLOWSTONE—Truck			463			463			
TOTALS	701,036	2,241,145	165,202	693,191	11,203	795,114	1,555,999	693,191	745,067

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey and Southwest Richey Fields.

†Tranferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF DECEMBER, 1957

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phil. Petr. Co.	The Texas Co.	Texas Calgary Co.	Union Oil Co.	Total by Fields
Bannatyne							458				458
Big Wall					14,765						14,765
Blackfoot										7,761	7,761
Bowes				18,645							18,645
Cat Creek			13,341			3,238					16,579
Clark's Fork					1,895						1,895
Cut Bank	20,119						24,285			39,666	84,070
Delphia						2,657					2,657
Dry Creek					7,937						7,937
Elk Basin		129,398	61,195								190,593
Gage					291						291
Ivanhoe										5,212	5,212
Kevin-Sunburst	19,614							239			19,853
Melstone					8,472						8,472
Pondera							57,768				57,768
Ragged Point					11,388						11,388
Reagan										18,997	18,997
Soap Creek									5,469		5,469
Sumatra			406		119,181						119,587
Sweetgrass Hills	771										771
Whitlash										1,331	1,331
Wolf Springs		45,502									45,502
Total Montana Oil	40,504	174,900	74,942	18,645	163,929	5,895	82,511	239	5,469	72,967	640,001
Canadian Oil Imported										2,946	2,946
Wyoming Oil Imported		612,309	285,627		384,480	1,484					1,283,900
TOTAL Montana, Candian and Wyoming Oil	40,504	787,209	360,569	18,645	548,409	7,379	82,511	239	5,469	75,913	1,926,847

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1956	24,735	239	37,486	62,460
December, 1956	26,636	284	35,567	62,487
December, 1957	20,645	95	41,416	62,156

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.60%	.39%	60.01%
42.62%	.46%	56.92%
33.21%	.15%	66.64%